## **EPA Apprentice Guidance**

End-point Assessment Apprentice Guidance Document for:

# Level 6 Product Design and Development Engineer

Standard Reference: ST0027



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#### **Document Amendments**

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## **Apprentice Guidance for Case Studies Presentation, Occupational Professional Discussion and the End Point Assessment Grading**

#### **Overview**

The end-point assessment is designed to enable you to demonstrate that you are fully conversant in the skills, knowledge and behaviours expected of individuals working at this level. It is designed to provide assessors with a holistic view of the apprentice, and to allow them to assess to what extent that you meet or exceed the level 6 Product Design and Development Engineer Apprenticeship standard.

#### What is being assessed?

Your End Point Assessment is made up of **two** elements:

- Method 1. Case Studies Presentation underpinned by supporting evidence
- Method 2. Occupational Professional Discussion underpinned by supporting evidence

#### Readiness for the End-point Assessment (Gateway)

The independent end-point assessment is synoptic, as it takes an overview of your occupational competence. It is important, therefore, that this should only take place when the employer is confident that you have met all the knowledge, skills and behaviours as set out in the standard and is performing competently in your job role. Readiness for end-point assessment is confirmed once the employer is satisfied that you have demonstrated occupational competence against all the knowledge, skills and behaviours specified in the standard, completed the occupational competence report of evidence and achieved the mandated qualifications.

- Employer specified BEng/BSc degree and accredited by an Engineering Council licenced Professional Engineering Institution (PEI). Employers may wish to use a degree that has yet to achieve PEI accreditation. However, if the intention is to do so, a PEI must have been involved and consulted on the content from the outset.
- Level 2 in English and mathematics. (For those with an education, health and care plan or a legacy statement the English and mathematics minimum requirement is Entry Level 3 and British Sign Language qualifications are an alternative to the English qualifications for whom this is their primary language).
- The apprentice can then progress to the end-point assessment via the apprenticeship gateway (decision point).

EAL as the EPAO will check the gateway information as a pre-requisite prior to the EPA taking place



#### **Guidelines for Method 1 Case Studies Presentation**

The Case Studies Presentation will give you the opportunity to identify specific and exemplar work-based projects/tasks that you have successfully completed that will allow you to showcase and demonstrate the practical application of the knowledge and skills and behaviours detailed in the standard and set out in **Annex A**. The Case Studies Presentation will be followed by a question and answer session led by the designated end-point assessor.

#### The Case Studies Presentation covering work-based projects/tasks should meet the following criteria:

- Based on a projects/tasks designated by your employer such as your line manager or departmental team leader/supervisor and within scope of the role of a Product Design and Development Engineer.
- The Case Studies Presentation and supporting evidence must be based on projects/tasks from the onprogramme period and be available prior to the gateway to allow the employer to authenticate its content.
- Supported by relevant evidence and/or documentation such specific work outputs, work records or other documentation including any quality/compliance data/records produced as part of the work activity.
- Cover, where applicable any issues, challenges or problems encountered and present your ideas/solutions.
- Where the work-based projects/tasks involved team input/activities your employer must authenticate
  your work as part of the gateway and confirm the Case Studies Presentation and supporting evidence is
  an accurate reflection of your involvement.
- States and provides evidence how the **work-based** projects/tasks outcomes were completed to the required standard in order to be able to claim that the relevant knowledge, skills and behaviours have been achieved. Covers the knowledge, skills and behaviours listed in **Annex A** as being assessed by the Case Studies Presentation.
- You must make sure the presentation and supporting evidence is available throughout the duration of the Case Studies Presentation so that it can be referenced during the presentation and subsequent questioning by the end-point assessor.
- You should have a minimum of **two** weeks' notice of your Case Studies Presentation date and time.
- The Case Studies Presentation is expected to be 50 +/- 5 minutes in duration. The Case Studies
   Presentation will be followed by a question and answer session which will be 25 +/- 5 minutes in duration.
   The question and answer session will provide the opportunity for the end-point assessor to seek
   clarification and probe for further detail/evidence as required.
- EAL as the EPAO develop a bank of core questions which can be used and contextualised by the end-point assessor during the Case Studies Presentation. The end-point assessor will also develop their own specific and targeted questions after reviewing the presentation and supporting evidence to further explore competence against the knowledge, skills and behaviours specified in the standard. EAL as the EPAO will use a structured template for the end-point assessor to use during the presentation, to provide robustness, consistency and fairness with a clear and auditable mechanism for providing feedback to the apprentice.
- The grade criteria for achieving a Fail, Pass or Distinction in the Case Studies Presentation is itemised in **Annex B**.
- The Case Studies Presentation can be recorded (audio or video) if all parties are in agreement. Where permission is not given it is permissible for another end-point assessor to be present to scribe/document evidence presented and record the response to questions. Where a second end-point assessor is used to act as a scribe they must not be involved in any assessment decision and must be independent i.e has had nothing to gain from the outcome of the assessment and has had no direct involvement in the day to day training and development of the apprentice during the on-programme phase of apprenticeship.
- The Case Studies Presentation will be conducted face to face or via live video link (where a live video link is used EAL as the EPAO must guarantee the integrity of the assessment process).



- The Case Studies Presentation will be conducted in a 'controlled environment', i.e. a quiet room, away from the normal work area.
- It is recommended that there will need to be a break of **45 +/- 5** minutes between the Case Studies Presentation and the Occupational Professional Discussion to allow the end-point assessor to record notes and make the assessment decision. It will also allow you and the end-point assessor to prepare for the Occupational Professional Discussion.
- You will be informed of the end-point assessor's overall assessment/grading decision as soon as possible after both assessment methods have been completed. This may be after EAL as the EPAO has moderated the decisions made by assessors.
- A technical expert from the employer can attend the Case Studies Presentation if they are requested to do so by EAL as the EPAO in order to provide the end-point assessor with any relevant technical support, advice and guidance such as confirming company policies, procedures, processes, providing context on technical information or on emerging technologies. Any information provided by the employer technical expert must only be at the request of the end-point assessor who has the final say over the assessment and grade awarded. The employer technical expert must not provide evidence on behalf of you.

You must record your presentation on the Template provided by your employer to ensure all Knowledge, Skills and Behaviour requirements have been met.

Alternatively, you can use your own presentation templates, but you must ensure the same criteria have been met:

• EAL L6 PDD Apprentice Presentation Template

## Apprentice Guidance for Work Based Projects/Tasks Supporting Evidence On-Programme Period Occupational competence report

Each employer will have their own preferred approach and layout of the occupational competence report. How you present the information to your employer for the End Point Assessment occupational competence report review is important to ensure it meets that requirement of the standard. After all, you are using this Occupational competence report to showcase your skills, knowledge and behaviours you have learnt during your apprenticeship, so presenting a good quality record of your day-to-day work you have completed.

You will compile an occupational competence report during your apprenticeship. It will include evidence of experience gained in the workplace and simulated environments, collectively demonstrating competence against all aspects of the apprenticeship standard – skills, knowledge and behaviours. It may for example include self-assessments, achievement logs, work products, witness statements and reflective journals, together with a final progress review in readiness for the EPA final professional discussion and presentation.

Before beginning work on the occupational competence report, you should agree, in a meeting with your employer and mentor. The on-programme period will provide a focus for your occupational competence report of evidence. The occupational competence report will be reviewed by the end point assessor, using standardised assessment criteria and documentation, recording coverage against the learning areas. This will be used to support the EPA professional discussion and presentation. The occupational competence report will be reviewed before the EPA professional discussion and presentation.



#### **Planning Work to Meet Evidence Requirements**

When planning your work with your employer you should ensure that there is suitable opportunity for you to be involved in projects with a broad enough scope to address the chosen learning areas, and that you will be able to evidence the relevant skills, knowledge and behaviours expected.

It is the responsibility of your employer and your apprenticeship mentor (where appropriate) to help guide you in choosing appropriate evidence for the occupational competence report. The training provider will provide a framework for the occupational competence report and provide initial guidance on how to assemble evidence.

The occupational competence report of evidence will need to include self-assessments and achievement logs completed by you as part of regular performance management with your employer, as well as any relevant supporting documents. The occupational competence report will contain examples of your performance in relation to the work you have completed. The occupational competence report evidence will be recorded during the whole of your apprenticeship to meet the level of demand and complexity required by the standard and will include a detailed record of how you completed the task. Your occupational competence report can be handwritten or electronic and include work products, sketches and information you feel appropriate.

Here are some key features you may wish to include in your occupational competence report to help you construct a consistent approach and layout. You can place them in the logical structure appropriate for your job.

- Front page Your company name, your name, the title of the apprenticeship
- Index of occupational competence report
- A cross reference to the specific Apprenticeship Standard
- List of witnesses/job titles
- Page heading job reference /title and date of task
- Subheadings

An example template is provided in Annex C OR Alternatively you can use one of your own design, but as a minimum you must ensure all fields listed in the example template Annex C are met.

Finally, you should ask your mentor to review and check your work and sign it along with any witnesses who can authentic this is a true record of the work you carried out.

#### Occupational competence report submission

Your occupational competence report will be used as supporting evidence for Method: 1 Presentation and Method: 2 Report for the Professional discussion. The end point assessor will review your occupational competence report of evidence during these assessment Methods. The end point assessor through questioning will explore your understanding of the chosen competence areas.

EAL as the EPAO will agree a date with you when all supporting evidence must be submitted.

#### Occupational competence report Review

This is a standard occupational competence report review against the learning areas contained in the assessment plan. Details of the learning areas can be found in **Annex A**.

The end point assessor will review the completed holistic examples of performance presented in the apprentice occupational competence report. The evidence must cover the learning areas contained within the assessment plan. Each example should be judged to ensure that the evidence is authentic to you, as the apprentice, there are sufficient examples of performance presented in the occupational competence report and the evidence is reliable from a real working environment.

Where the end point assessor identifies shortfalls in the skills, knowledge and behaviours assessment of the occupational competence report review, they must prepare further questions to ask you during the professional discussion to ensure you can demonstrate that you have the required depth and breadth of skills, knowledge and behaviours required by the apprenticeship standard.

The end point assessor can request to have a representative of the employer present, but this not mandatory. The role of the employer is to provide operational context, clarification and guidance, **NOT** to make assessment decisions. That is the role of the end point assessor from EAL as the EPAO.



#### **Apprentice Guidance for EPA Case Studies Presentation Preparation**

#### What will happen?

Your occupational competence report will be used as supporting evidence for your Presentation. This will take place on the same day as your professional discussion. Overall, this should last at least 50 +/- 5 minutes in duration. You will deliver your presentation first and should then be offered the opportunity of a short break before starting your professional discussion. If you are not offered a break, please ask for one if you feel you need it. If you want to continue straight on, just let your end point assessor know.

#### **Your Presentation**

Your presentation should be designed to complement your on-programme period of evidence and should add to the evidence that you presented under those learning outcomes. You may want to explain a situation in more depth or highlight a particular situation or project which was complex and difficult to portray in a paper/electronic occupational competence report. The most important thing to remember is that this is an opportunity to showcase what you have learned and achieved during your apprenticeship. You may want to present learning areas which you found difficult to evidence in your occupational competence report and which you feel you can evidence more easily verbally. The content is up to you. You can seek guidance from your training provider, mentor, and employer but the work must be all your own. If you need any special equipment in order to deliver your presentation, you will need to supply it yourself or you could ask if it will be available in the room anyway but this will need to be established prior to the assessment day. You may well be asked questions on what you are presenting. These will just be for clarity and to make sure that the Independent Assessor fully understands what you are trying to portray. Your employer/nominated representative may be present at the EPA by request of the end point assessor, but they are there simply to offer advice and guidance to your Independent Assessor and will have no part in marking your presentation. When you are putting your presentation together you could consider the following that you may want to convey and/or your assessor could ask you during the question and answer session.

\*Please note this is for guidance purposes only\*

#### K5 How to undertake and apply business-led projects

#### **Pass**

- Why a project approach would be the most suitable approach for the work activity undertaken
- How to agree the project purpose, objectives & outcomes
- How to agree deliverables and associated benefits
- How to determine what is in and out of project scope
- How to identify stakeholders & their interests in the project
- How to provide a breakdown of expected cost/ resource requirements
- How to Identify key roles and responsibilities for project work activity
- How to outline the interdependencies of other work activities that have a relationship to delivery of the project
- How to produce a robust project plan
- How to identify and log any risks/issues including any mitigation

#### Distinction

- How to lead a project to successful completion
- How to monitor / review progress against checkpoints or gateways
- How to assess how project changes impact others
- How to balance ongoing timing, quality, cost and delivery consideration
- How to amend project plans where changes are needed
- How to communicate changes successfully



#### K6 - Engineering operations and business management

#### **Pass**

- How to contextualise the range of business activities that are required during a cycle of design and development.
- How to detail engineering methods that relate to activities in own area of responsibility
- How to obtain data/ details of engineering requirements from company information systems
- Who to contact for clarification of engineering requirements and who should authorise specific activity?
- How to detail quality focussed activity associated with product design and development
- How to determine relevant reporting procedures, documentation and application relevant to their role
- How to interpret drawings, specs, charts, data manuals related to own area of responsibility

#### Distinction

• How business activities can be applied to predict/ resolve potential problems

#### K7 Applying advanced technology techniques

#### **Pass**

- Explain the application of advanced technological techniques in their specific area of responsibility
- How advanced technological activities relate to each other in product design and development
- How to interpret associated company policy/procedures relevant to the technologies used within their occupation
- Explain the extent of own responsibility and to whom they should report if they have issues that they
  cannot resolve in relation to the technology being applied

#### Distinction

- How Identify how advanced technological techniques can help minimise the potential for disruption associated with the introduction of new products.
- Explain how advanced methods/techniques can help with dealing with engineering problems should they arise during new product development

#### S1 Comply with statutory and organisational safety requirements

#### Pass grade only

Applied skills in demonstrating a compliant, disciplined and responsible application of Health and Safety requirements including but not limited to;

- PPE regulations
- COSHH regulations
- Risk assessments, management and mitigation
- Accident/emergency procedures
- Fire/evacuation procedures
- Procedures for hazardous malfunctions
- Safely operating/using tools and equipment
- Lifting/carrying techniques

#### S3 Organising work efficiently and effectively by managing engineering resources when completing tasks

#### **Pass**

- Constructing appropriate SMART Objectives
- Producing work plans for own area of responsibility
- Monitoring progress and quality of outcomes of the engineering resources
- Evaluating progress and providing feedback towards the completion of tasks
- Reviewing and amending plans if necessary, to complete the tasks



#### Distinction

- Taking a leading role in the management of the engineering resources
- Identifying and securing upfront the skill bases and resources required
- Demonstrating advanced communication methods to team/stakeholders
- Leading in the monitoring and subsequent outcomes of associated resources

#### S4 Use computer software packages to assist with engineering activities

#### **Pass**

- Obtaining design data for verification
- Using appropriate equipment hardware/software
- Running computer package and evaluate
- Identifying any potential risks or problems
- Presenting results of verification exercise
- Recording of information
- Regulation compliance

#### Distinction

- Establishing design concepts for the collection of data
- Constructing methods for creation of computer models
- Establishing key criteria for verification of design performance

#### **S5 Carry out Project Management activities**

#### **Pass**

- Why a project approach was the most suitable approach for the work activity undertaken
- Agreeing the project's purpose, objectives & desired project outcomes
- Agreeing deliverables and associated benefits
- Determining what is in and out of project scope
- Identifying stakeholders & their interests in the project
- Providing a breakdown of expected cost/resource requirements
- Identifying key roles and responsibilities for project work activity
- Outlining interdependencies of other work activities that have a relationship to delivery of the project
- Producing a robust project plan
- Identifying and logging risks/issues including any mitigation

#### Distinction

- Leading a project to successful completion
- Monitoring / reviewing progress against checkpoints or gateways
- Assessing how project changes impact others
- Balancing ongoing timing, quality, cost and delivery considerations
- Amending project plans where changes are needed
- Communicating changes successfully

### S9 Demonstrate technical and commercial management by planning and managing tasks and resources Pass

- Obtaining and reviewing task/ resource information using a range of methods
- Consulting on tasks / resources with relevant people
- Planning and managing technical tasks/ resources

#### Distinction

- Leading Commercial Management awareness when planning and managing tasks/ resources including areas such as:
  - Basic cost analysis
  - Evaluating prices from contractors/ sub-contractors
  - Basic contract lifecycle management /sourcing
  - o Relationship management/ document management



#### **B1** Safety mindset

#### Pass grade only

Applied appropriate skills in demonstrating a compliant, disciplined and responsible application of Health and Safety requirements including but not limited to;

- PPE regulations
- COSHH regulations
- Risk assessments, management and mitigation
- Accident/emergency procedures
- Fire/evacuation procedures
- Procedures for hazardous malfunctions
- Safely operating/using tools and equipment
- Lifting/carrying techniques

#### **B3** Logical approach

#### **Pass**

• The ability to structure a plan and develop activities following a logical thought process

#### Distinction

The ability to quickly think on feet in a variety of situations

#### **B4 Problem solving orientation**

#### **Pass**

 Identifying engineering issues /problems quickly, enjoys solving problems and applies appropriate solution

#### Distinction

Taking the lead within the business area to solve problems

#### **B5** Quality focus

#### **Pass**

Demonstrating the required level of quality focus and follows the rules, procedures and principles

#### Distinction

Playing a lead role in quality focus and assisting others in following the rules, procedures and principles

#### **B7 Clear communicator**

#### **Pass**

Demonstrating open, honest and clear communication.

#### Distinction

 Demonstrating a wide range of communication methods including always listening to others with a respectful and positive attitude

#### **B8 Team player**

#### **Pass**

- Making an effort to integrate with a team, taking personal responsibility and supporting other people in a professional manner
- Understanding and considering implications of own actions on other people/activities

#### Distinction

Demonstrates leadership capabilities across teams

#### B9 Applies lean manufacturing principles (continuous improvement)

#### Pass

• The application of lean and continuous improvement manufacturing principles

#### Distinction

Leading and drives effectiveness and efficiency



#### **Points to note:**

- All the KSBs (Knowledge, Skills and Behaviours) listed above must be covered in the presentation
- Each KSB must be referenced to the occupational competence report of evidence
- The statements supporting each KSB are to provide some guidance/scope against the specific KSB criteria



#### **Guidelines for Method 2 Occupational Professional Discussion**

Prior to the end-point assessment you will produce an occupational competence report that sets out how you have achieved occupational competence in each of the following Knowledge, Skills and Behaviours (KSBs) as set out in Annex A: K1, K2, K3, K4, S1, S2, S6, S7, S8, B1, B2, B6, B10, B11, B12 and B13. The occupational competence report for each of the KSBs should not exceed 250 words, 4000 words for the total report. The occupational competence report will make reference to supporting evidence which will be used during the Occupational Professional Discussion. The occupational competence report and supporting evidence must be based on examples from the on-programme period and be available prior to the gateway, to allow the employer to authenticate its content.

The Occupational Professional Discussion is an interactive process, which will enable the end-point assessor to further assess your occupational competence. It is a structured and formal discussion between you and the end-point assessor, drawing upon your occupational competence report and supporting evidence/documentation of how you have performed during the apprenticeship when undertaking employer directed work-based projects/tasks during your apprenticeship.

EAL as the EPAO will develop a bank of core questions which can be used and contextualised by the end-point assessor during the Occupational Professional Discussion. The end-point assessor will also develop their own specific and targeted questions after reviewing the occupational competence report and supporting evidence to further explore competence against the knowledge, skills and behaviours specified in the standard. EAL as the EPAO will use a structured template for the end-point assessor to use during the Occupational Professional Discussion, to provide robustness, consistency and fairness with a clear and auditable mechanism for providing feedback to the apprentice.

#### The requirements for the Occupational Professional Discussion are:

- It covers the knowledge, skills and behaviours listed in **Annex A** as being assessed by the Occupational Professional Discussion.
- You should have a minimum of two weeks' notice of the date and location of the Occupational Professional Discussion.
- The Occupational Professional Discussion will be 90 +/- 5 minutes in duration.
- You must make your occupational competence report and supporting evidence available throughout the
  duration of the Occupational Professional Discussion so that it can be referenced during the discussion
  and subsequent questioning by the end-point assessor.
- The Occupational Professional Discussion will be conducted face to face or via live video link (where the EAL as the EPAO have the facilities available and can guarantee the integrity of the assessment).
- The Occupational Professional Discussion will be conducted in a 'controlled environment', i.e. a quiet room, away from the normal work area.
- The Occupational Professional Discussion can be recorded (audio or video) if all parties are in agreement. Where permission is not given it is permissible for another end-point assessor to be present to document evidence presented and record the response to questions. Where a second end-point assessor is used to act as a scribe they must not be involved in any assessment decision and must be independent i.e has had nothing to gain from the outcome of the assessment and has had no direct involvement in the day to day training and development of the apprentice during the on-programme phase of apprenticeship.
- A technical expert from the employer can attend the Occupational Professional Discussion if they are
  requested to do so by EAL as the EPAO in order to provide the end-point assessor with any relevant
  technical support, advice and guidance such as confirming company policies, procedures, processes,
  providing context on technical information or on emerging technologies. Any information provided by the
  employer technical expert must only be at the request of the end-point assessor who has the final say
  over the assessment and grade awarded. The employer technical expert <u>must not</u> provide evidence on
  behalf of you.



- The grade criteria for achieving a Fail, Pass or Distinction in the Occupational Professional Discussion is itemised in **Annex B.**
- You will be informed of the end-point assessors overall assessment decision as soon as possible after both
  assessment methods have been completed. This may be after EAL as the EPAO has moderated the
  decisions made by assessors.

You must evidence your report on the Apprentice Report Template provided by EAL to ensure all Knowledge, Skills and Behaviours requirements have been met:

EAL L6 PDD Apprentice Report Template

The end point assessor will complete the Method 1 and Method 2 recording documentation provided by EAL, to ensure all knowledge, skills and behaviours requirements have been met

#### **Apprentice Guidance for EPA Occupational Professional Discussion Preparation**

#### What is an EPA Occupational Professional Discussion?

The EPA Occupational Professional Discussion is an interactive formal discussion focussed on the skills, knowledge and behaviours you need for your job role. It will enable the endpoint assessor to ask questions of you in relation to your skills, knowledge and behaviours, based on your on-programme period occupational competence report of evidence. Questions will be standardised, so that essential knowledge can be demonstrated consistently by all apprentices.

It is a structured discussion between you and the end point assessor drawing upon an occupational competence report of evidence of how you have performed during the Apprenticeship. It covers both the tasks you have completed in your day-to-day work, the standard of your work and the behaviours you have demonstrated throughout, such as being a team player, having a positive attitude and a strong work ethic; being a responsible and self-motivated employee with a proven commitment to your organisation. This enables the EPA Professional Discussion to cover a broad range of skills, knowledge and behaviours set out in the apprenticeship standard.

It will also be an opportunity for the end point assessor to:

- Clarify any points and/or question you on the evidence you have presented in the occupational competence report
- Confirm and validate that the occupational competence report of evidence is your own work
- Confirm and validate the judgements about the quality of the work you have completed
- Explore particular areas of work presented in the occupational competence report, how it was carried out, any problems that you encountered and how these were resolved
- Validate your skills, knowledge and behaviours of the organisation in terms of their products, processes, procedures and information systems.

The EPA Professional Discussion will also find out the depth and breadth of your understanding of the learning areas requirements.

#### Who is involved within EPA?

EAL as the EPAO can request the employer/nominated representative to attend, they may come from within their own organisation or brought in if required from other employers/nominated representative or from the training provider, but one member will come from the EPA organisationThey will not have directly worked with you or participated in your learning and training. An IQA (Internal Quality Assessor) may also be present on the day for EPAO auditing purposes. The **EPA** members will have:



- Excellent knowledge and understanding of the apprenticeship standard
- The ability to contextualise the relevant **work-based** project(s)/task(s)
- Current, relevant occupational knowledge and expertise, at the relevant level of the occupational area(s) they are assessing, which has been gained through "hands on" experience in the profession within the last 5 years.

They will be 'approved' by EAL for the purposes of conducting the end-point assessment.

#### What preparation is needed for the EPA Occupational Professional Discussion?

Every EPA Occupational Professional Discussion is different, so it is not possible to know in advance exactly what the end point assessor will ask you. However, there are some common styles and approaches for this type of Professional Discussion that will help the end point assessor to assess your submitted occupational competence report. The examples you have submitted will be how you have performed your work activities and the EPA Professional Discussion will be your opportunity to show case all your skills, knowledge and behaviours. This will be the main focus during the assessment. However, you should also plan for wider questioning about your apprenticeship and what you have learned, how you have used the skills, knowledge and behaviours gained and applied this learning in your work.

It is not a memory test and you can prepare notes making reference to your occupational competence report so you may want to do this as your planned approach and have your notes with you during the Professional Discussion.

Having spent so much time developing your occupational competence report of evidence to showcase your skills, knowledge and behaviours to your employer, it may seem strange to hear that a key part of your preparations is to get to re-cap on what you have submitted in your occupational competence report. The end point assessor will expect you to have a good understanding of the contents of your work and that means knowing your on-programme period occupational competence report so you can discuss the content with minimum notes, after all you performed the tasks.

Here are some ideas to help you prepare for your EPA Professional Discussion.

- Make notes to remind you of key points you need to remember and flag pages in your occupational
  competence report where you may need to refer for detailed information. Practice using this method to
  ensure any reference you give is correct.
- Who are you? Think bigger picture. What do you know about your organisation? What do you do in your organisation? Who do you report to and interact with? Where do you sit within your organisation? How important is your work to you and your organisation? What would happen if you didn't do your job?
- Develop an introduction of yourself, what you do and the apprenticeship journey you have taken to get to where you are.
- Read through each example and think about the key features of how you do your job and the behaviours you have demonstrated. It is likely the questions from EPAO/Independent Assessor will probe stages of your approach to your work, the behaviours you have adopted to ensure it follows a logical sequence in a safe, effective and efficient manner in line with the expected organisational procedures. If you think you missed details or made a mistake during your own review of your occupational competence report, don't panic. Make a note, build it in to your showcase and prepare an answer that you can use if it is questioned during the EPA Professional Discussion.
- Work with your mentor to build your evidence against the apprenticeship standard and what is required
  for the standard and how your evidence meets those requirements. Your EPA Professional Discussion will
  find out your depth and breadth of understanding of the competence requirements.
- Be clear when discussing your work in the context of what you did. Think about including 'I' instead of 'We'.
- For example; 'I was responsible for....' and when discussing working in a team be clear in defining what your contribution was and the work elements you completed.
- Practice showcasing examples of your work to yourself and then with others who are not involved in the EPA Professional Discussion to gain confidence. Ask them to challenge you with questions.



• Make a list of what you need for your EPA Professional Discussion and check it off before you arrive to ensure you have all you need for a successful Professional Discussion.

#### What happens during the EPA Professional Discussion?

- Be prepared.
- Be well presented, you should at least be well groomed and neatly dressed.
- Stay calm and pleasant.

Your end point assessor will cover some preliminary generic items such as; introductions, the approach and timings of the EPA Professional Discussion as well as your right to appeal, in the event that you feel the final decision is not appropriate.

A series of questions will be put to you to answer and notes will be recorded by the end point assessor, For example:

- Talk us through.......
- Explain in detail.......
- Describe......
- Give an example.....
- Demonstrate.....
- Where do you find.......
- How did you.....
- What was the objective.....
- Why did you.....

Listen carefully to the questions. Don't answer simply 'yes' or 'no' to questions; on the other hand, do not give a prepared speech. Try to answer the question as it is put to you. If you don't understand the question, ask the end point assessor to repeat it or repeat your interpretation to the end point assessor. If you still don't understand the question, then it is better to admit it than to try and bluff.

Don't be overly worried that some parts of the EPA Professional Discussion were really difficult; it is only by pushing you to your limits that the end point assessor can determine your ability.

At the end of the assessment you will be informed the EPA Professional Discussion is over.

Collect you papers and any items you prepared and breathe – well done you have just completed your EPA Professional Discussion.



## **Guidelines for Grading the Case Studies Presentation and Occupational Professional Discussion**

There are **two** assessment components, which are managed by the End-Point Assessment Organisation. These are:

Assessment	Weighting	Conducted by	Grading Outcomes
Component		whom	
Method 1. Case		End-Point	1. Fail
Studies Presentation	50%	Assessment	2. Pass
	30%	Organisation	3. Distinction
Method 2.		End-Point	1. Fail
Occupational	F00/	Assessment	2. Pass
Professional	50%	Organisation	3. Distinction
Discussion			

- Assessment Methods 1 and 2 have been equally weighted and you must achieve a Pass in all Knowledge, Skills and Behaviours as a minimum requirement for the apprenticeship certificate to be awarded. A Fail in any Knowledge, Skills and Behaviours will mean that you will be offered a resit or re-take. (Pg. 17)
- See **Annex B** End-Point Assessment Grading criteria and grade boundaries for the following grades Fail, Pass and Distinction.
- To be awarded a Distinction, you must achieve Distinction in at least 3 criteria in each of the Knowledge,
   Skills and Behaviours in both Assessment Methods

The end point assessor will complete the overall scoring and grading tables within the Assessment Recording Document provided by EAL

Confirmation of the outcomes will be sent to your employer and once agreed, EAL as the EPAO will submit your results and request your apprenticeship certificate.



#### **Re-sits and Re-takes**

Apprentices awarded a Fail in one or both assessment methods will be offered the opportunity to take a re-sit or re-take. See **Annex B** for the grade criteria for Methods 1 and 2. A re-sit does not require further learning, whereas a re-take does. In the case of a re-sit, little or no further work will be required on the Case Studies Presentation and supporting evidence (Method 1) and the occupational competence report and supporting evidence (Method 2). You should have an agreed action plan to prepare for the re-sit/re-take. If requested the employer can invite their Training Provider to be part of the development of any action plans for a re-take.

The employer determines when the end-point assessment re-sits/re-takes must be completed following the formal receipt from EAL as the EPAO that the apprentice has not passed either or both of the end-point assessment methods.

It will be the responsibility of the employer to determine the number of times the apprentice can re-sit/re-take the end-point assessment.

The maximum grade awarded to a re-sit/re-take will be **Pass**, unless EAL as the EPAO identifies exceptional circumstances accounting for the original grade of Fail.

#### Method 1. Case Studies Presentation.

Grade Outcome	Re-sit/Re-take Criteria
Fail - Re-take required	A fail in B1, <b>any</b> Skill or in 2 or more of the Knowledge and/or
	Behaviours criteria
Fail – Re-sit required	A single fail in Knowledge <b>or</b> Behaviour criteria

#### Method 2. Occupational Professional Discussion.

Grade Outcome	
Fail – Re-take required	A fail in B1, <b>any</b> Skill or in 2 or more of the Knowledge and/or
	Behaviours criteria
Fail – Re-sit required	A single fail in Knowledge <b>or</b> Behaviour criteria



#### **Annex A - End-Point Assessment Methods Mapping**

The following table provides an overview of the requirements detailed within the Level 6 Product Design and Development Engineer standard and where they are covered by each end-point assessment component.

Ref	<b>Knowledge</b> – The apprentice must be able to demonstrate an understanding of:	Assessment Method
K1	Mathematics and science for engineers	Occupational Professional Discussion
K2	Materials and manufacture	Occupational Professional Discussion
К3	Mechanical. electrical and electronic principles and applications	Occupational Professional Discussion
K4	Statics and dynamics	Occupational Professional Discussion
K5	How to undertake and apply business-led projects	Case Studies Presentation
К6	Engineering operations and business management	Case Studies Presentation
K7	Applying advanced technology techniques	Case Studies Presentation
Ref	<b>Skills</b> – The apprentice must be able to:	Assessment Method
S1	Comply with statutory and organisational safety requirements and demonstrate a responsible and disciplined approach to risk mitigation, avoidance and management.	Case Studies Presentation and Occupational Professional Discussion
S2	Effectively use, interpret and evaluate a range of engineering data sources and documentation	Occupational Professional Discussion
S3	Organise work efficiently and effectively by managing engineering resources when completing tasks	Case Studies Presentation
S4	Use computer software packages to assist with engineering activities	Case Studies Presentation
S5	Carry out Project Management activities	Case Studies Presentation
S6	Establish design briefs, presenting and discussing technical proposals	Occupational Professional Discussion
S7	Manage and control product design changes	Occupational Professional Discussion
S8	Support team feasibility design reviews	Occupational Professional Discussion
S9	Demonstrate technical and commercial management by planning and managing tasks & resources	Case Studies Presentation



Ref	<b>Behaviours</b> – The apprentice must be able to demonstrate the following:	Assessment Method
B1	<b>Safety mindset</b> . The importance of complying with statutory and organisational health, safety and risk management requirements and the implications if these are not adhered to	Case Studies Presentation and Occupational Professional Discussion
B2	<b>Strong work ethic:</b> Has a positive attitude, motivated by engineering; dependable, ethical, responsible and reliable.	Occupational Professional Discussion
В3	Logical approach: Able to structure a plan and develop activities following a logical thought process, but also able to quickly "think on feet" when working through them.	Case Studies Presentation
B4	<b>Problem solving orientation</b> : Identifies issues quickly, enjoys solving complex problems and applies appropriate solutions. Has a strong desire to push to ensure the true root cause of any problem is found and a solution identified which prevents further recurrence.	Case Studies Presentation
B5	Quality focus: Follows rules, procedures and principles in ensuring work completed is fit for purpose and pays attention to detail / error checks throughout activities.	Case Studies Presentation
В6	<b>Personal responsibility and resilience</b> : Motivated to succeed accountable and persistent to complete task.	Occupational Professional Discussion
В7	Clear communicator: Uses a variety of appropriate communication methods to give/receive information accurately, and in a timely and positive manner.	Case Studies Presentation
B8	<b>Team player:</b> Not only plays own part but able to work and communicate clearly and effectively within a team and interacts/ helps others when required. In doing so applies these skills in a respectful professional manner.	Case Studies Presentation
В9	<b>Applies Lean Manufacturing Principles</b> : Demonstrates continuous improvement in driving effectiveness and efficiency	Case Studies Presentation
B10	Adaptability: Able to adjust to different conditions, technologies, situations and environments.	Occupational Professional Discussion
B11	<b>Self-Motivation:</b> A 'self-starter', who always wants to give their best, sets themselves challenging targets, can make their own decisions.	Occupational Professional Discussion
B12	Willingness to learn: Wants to drive their continuous professional development	Occupational Professional Discussion
B13	<b>Commitment:</b> Able to commit to the beliefs, goals and standards of their own employer and to the wider industry and its professional standards.	Occupational Professional Discussion



#### Annex B – Grading Criteria Method 1 & Method 2

Grad	ling Criteria - Met	hod 1 – Case Studie	s Presentation	
Ref	Descriptors	Fail Criteria F	Pass Criteria P	Distinction Criteria D
K5	and apply business-	to effectively contribute	management to business led design and development projects	And <u>understands</u> how to lead a project balancing timing, quality, cost and delivery considerations
K6	business	operations and business management activities is	the range of core business activities	And explains how these can be applied to predict / resolve potential problems
K7	technology techniques	required knowledge of	advanced engineering techniques application within a design and development context	Andidentifies how advanced techniques minimise the potential for disruption or solve engineering problems
S1	statutory and organisational safety requirements and demonstrate a responsible and disciplined approach to risk mitigation,	compliance with statutory and		with Statutory and k management
S3	Organising work efficiently and effectively by	Does not demonstrate ability to effectively contribute to organising	work plans, monitoring, evaluating	Andtakes a lead role in the organisation of engineering resources
S4	Using computer software packages to assist with engineering activities	required application of appropriate software packages	hardware/software packages to assist in the design process, data capture, verification, evaluation and presenting results	performance in the creation of computer models.
S5	, , ,			And <u>leads</u> projects, balancing ongoing timing, quality, cost and delivery considerations right through to successful completion
S9	technical and commercial management by planning and	technical and commercial	management capabilities when planning and	Andsome commercial management capabilities when planning and managing tasks/ resources



Grad	Grading Criteria - Method 1 - Case Studies Presentation				
Ref.	Descriptors	Fail Criteria F	Pass Criteria P	Distinction Criteria D	
B1	,	Does not demonstrate compliant, disciplined and responsible Health and Safety behaviours	Demonstrates the importance of compliant, disciplined and responsible behaviours in complying with Statutory and Organisational health, safety and risk management requirements and implications if these are not adhered to (Pass Grade Only)		
В3		Does not structure a plan and develop activities logically	Structure a plan, develops and follows a logical thought process	And Thinks quickly on feet	
В4	orientation	Is willing to leave engineering problems unresolved	issues/problems quickly, enjoys	Anddrives to the root cause of problems and finds solutions preventing recurrence	
B5		Does not routinely follow quality rules procedures and principles	Follows quality rules, procedures and principles ensuring work completed is fit for purpose		
В7	communicator	Does not demonstrate appropriate behaviours when communicating	methods.	Anduses a wide range of appropriate communication methods in a timely and positive manner whilst actively listening to others.	
B8	' '	Does not demonstrate appropriate teamwork related behaviours	Not only plays own part but works and communicates clearly and effectively within a team in a respectful and professional manner so that the information given is accurate	And helps and encourages others when required	
B9	manufacturing	Does not demonstrate a continuous improvement mind-set		Andtakes a lead role in driving lean/continuous improvement activities	



Grad	ling Criteria - Me	thod 2 - Occupationa	al Professional Discussion	
Ref	Descriptors	Fail Criteria F	Pass Criteria P	Distinction Criteria D
K1		one or both disciplines	Contributes to the business with knowledge in Mathematics and Science	And knows how to apply situations that require an advanced understanding of mathematics and science over a broad range of methods
K2	manufacture	Fails to demonstrate the required level of understanding in Materials and Manufacturing principles	A comprehensive understanding in manufacturing methods and sound knowledge in operating with appropriate materials	And explains how these can be applied/utilised to enhance product and design needs
К3	electrical and electronic principles and applications	Does not demonstrate required knowledge of appropriate Mechanical, Electrical and Electronic techniques	Demonstrates knowledge of advanced techniques/application within a design and development context	Andidentifies how advanced knowledge can be applied/utilised in problem rectification and the training and development of others
K4	dynamics		Is fully conversant with and can explain in detail the requirements and complexities of static and dynamic engineering systems	And can apply superior knowledge by leading in the development of advanced processes and procedures
S1	statutory and organisational safety requirements and demonstrate a responsible and disciplined approach to risk	Does not demonstrate compliance with statutory and organisational safety requirements and didn't demonstrate responsible and disciplined approach to risk mitigation, avoidance and management	Demonstrates compliance with statut safety requirements and demonstrate disciplined approach to risk mitigation management (Pass Grade Only)	es a responsible and
S2	Effectively use, interpret and evaluate a range of engineering data	Does not demonstrate ability to effectively contribute in the evaluation of data and documentation	Uses, interprets and evaluates a broad range of data sources and documentation	Andidentifies key information and offers realistic recommendations and solutions
	briefs, presenting and discussing technical proposals	establish design briefs, deliver presentations or contribute in discussing technical proposals	Establishes design briefs. Presents and discusses technical proposals	And leads with advanced abilities in design principles, copyright and intellectual property issues
S7	product design changes	Shows little or insufficient ability to effectively manage or control product design change	Follows a systematic approach to design change analysis and control, contributing as a result	And Operates unsupervised or in a leading capacity in directing design change processes



S8	Supporting team	Fails to demonstrate	Evaluates, designs and identifies	And Demonstrates a
ı	feasibility design	ability or capacity to	improvements to support feasibility	willingness and advanced
	reviews	contribute in supporting	reviews	capability in leading or
		feasibility design reviews		managing specific
				elements of the feasibility
				review
B1	Safety mindset	Does not demonstrate	Demonstrates the importance of com	•
		compliant, disciplined and	responsible behaviours in complying v	•
		responsible Health and	Organisational health, safety and risk	•
		Safety behaviours	requirements and implications if these	e are not adhered to
			(Pass Grade Only)	
B2	Strong work ethic	Fails to demonstrate	•	And Encourages others
		*		by leading by example and
		commitment	· · · · · · · · · · · · · · · · · · ·	promoting and explaining
				the benefits of a strong
DC	Damas and	Charre little anna larrela af		work ethic
	Personal		Provides a strong demonstration in	And Volunteers or
	responsibility and resilience	sustained personal	taking personal responsibility with a	requests to take on
	resilience	responsibility	determined and resilient approach to attaining successful outcomes and	
			results	challenging and demanding situations
			resuits	offering direction and
				guidance
B10	Adaptability	Struggles to adapt or	Displays strong characteristics in	AndActively seeks out
D10	Adaptability	operate out of comfort		new SETs and provided
			suit specific operational requirements	•
		Situations, Environments		support to those who
		and Technologies (SET)		struggled to adjust
B11	Self-motivation	Fails to display sufficient	Displays clearly recognisable levels of	
				encouraging and coaching
		self-motivation, sustained		others to adopt similar
			· ·	levels of self-motivation
		making own decisions	team	and drive
B12	Willingness to learn	Rarely or reluctantly takes	Willing to learn and further develop	And actively sources
		advantage of new learning	skills and knowledge on a regular	opportunities or training
		opportunities to further	basis	courses to further
		develop their abilities and		enhance own abilities and
		knowledge		knowledge levels
B13	Commitment		, , , , ,	AndActively researches
				how to engage with a
			beliefs and aspiring to the same goals	
		standards	and standards	Engineering Institution in
				order to gain professional
				recognition at the
				appropriate level, such as
				Incorporated Engineer.



#### **Annex C – Apprentice Report Template**

## End Point Assessment On-Programme Period Occupational competence report Review for Level 6 Product Design and Development Engineering

Apprentice Name:	Click or tap here to enter text.
Date of submission:	Click or tap to enter a date.
Employer Name:	Click or tap here to enter text.

Date of End Point Assessment: Click or tap to enter a date.

\*Note: The Apprentice Report Template must be submitted to EAL as supporting evidence as part of their EPA application.

<sup>\*</sup>Please note these are for guidance purposes only\*

	KNOWLEDGE								
	<u> </u>		I						
Ref.	Descriptors	Fail		Pass Criteria	Distinction Criteria				
K1	Mathematics and science for engineers		Contributes to the Mathematics and	e business with knowledge in Science	And knows how to apply situations that require an advanced understanding of mathematics and science over a broad range of methods				
	Pass criteria of Sco	pe statem	ents *	Justification of why they think t	hey met Pass criteria referenced to appropriate K1 annex				
For a	grade of Pass, the ap Analyse and model e solve problems using Apply standard proba techniques to analyse Analyse engineering problems using vecto methods Use complex number numbers theory to the problems	ngineering the calcu ability and e engineer situations or geometr	g situations and lus statistical ring problems and solve ry and matrix	Click or tap here to enter text	t.				
	Distinction criteria of s	cope state	ements*	Justification of why they think	they met Distinction criteria referenced to appropriate K1 annex				
For a grade of Distinction, the apprentice also knows how to;  Apply more complex, demanding situations and scenarios.				Click or tap here to enter text	t.				



Ref.	Descriptors	Fail		Pass Criteria	Distinction Criteria
K2	Materials and Manufacture				And explains how these can be applied/utilised to enhance product and design needs
IXZ	Manufacture		appropriate mate		ermance product and design needs
	Pass criteria of Sco				hey met Pass criteria referenced to appropriate K2 annex
1	grade of Pass, the ap			Click or tap here to enter text	i.
•	Review the classificate materials including se				
	environment, ease of				
-	Define, analyse and o	compare t	he properties of		
	engineering materials		their structure		
	and methods of proce Review the methods		ng and testing		
	materials for enginee				
-	Investigate failure mo		degradation of		
	engineering materials	<b>S</b>			
	Distinction criteria of s	cope state	ements*	Justification of why they think	they met Distinction criteria referenced to appropriate K2 annex
For a gr	ade of Distinction, th		tice also knows	Click or tap here to enter text	
	how to Demonstrate advance		dae in the		
_	application of above of		uye III lile		
-	Display in depth know	vledge in t			
	analysis and compari				
Ref.	materials, methods at Descriptors	Fail	ses	Pass Criteria	Distinction Criteria
rtoi.	Mechanical,	T GII	Demonstrates kno		Andidentifies how advanced knowledge can be
K3	Electrical and				applied/utilised in problem rectification and the training
	Electronic principles		development con	text	and development of others
	and applications.  Pass criteria of Score	a atatam	ente *	Justification of why they think t	hey met Pass criteria referenced to appropriate K3 annex
For a c	grade of Pass, the ap			Click or tap here to enter text	
•	Apply force vectors a	-		click of tap here to effect text	
	diagrams		,		
•	Define and use under				
	dynamic mechanics vand performance of n				
	components and syst		ii crigiriccririg		
•	Define and use electr	ical paran			
	recognise their units				
•	Apply laws and theore and AC circuits	enis to the	analysis of DC		
•	Apply simple models	of electro	nic devices to		
	common electronic ci				
•	Demonstrate the use and sequential logic of				
	structure of a micropr				
	·				
	Distinction criteria of s	cope state	ements*	Justification of why they think	they met Distinction criteria referenced to appropriate K3 annex
For a gr			tice also knows	Click or tap here to enter text	
_	how t		a abovo aritaria		
	Display and demonst and	iale all the	anove chiena		
	<ul> <li>Apply tho</li> </ul>		les in more		
	complex				
			knowledge in evaluation		
	interprete	aon ana t	, valuation		



(Pass Grade Only)

			ıgııı	uity C	поир	
Ref.	Descriptors	Fail			Pass Criteria	Distinction Criteria
K4	Statics and dynamics		the requ	uirements	t with and can explain in detail and complexities of static and ring systems	And can apply superior knowledge by leading in the development of advanced processes and procedures
	Pass criteria of Scop	e statem	ents *		Justification of why they think	they met Pass criteria referenced to appropriate K4 annex
-	grade of Pass, the ap Model a simple phy equilibrium and calc bending and shear under concentrated at Use the theory of tors model the distribution calculate shear stress twist for solid and holl Define the kinematic reposition, velocity and and Newton's laws of in both linear and particles, mechanisms Define the kinematic reposition, velocity and which exhibit simple in these to calculate the linear and transverse	sical conculate the stresses and distribution and it in of she is, shear ow circular elationship acceleration to rotation is and systematic armonic relationship acceleration armonic relationship acceleration in the strength of the strengt	nponentice interreduce to uted load as assurdar strein as rescribed on and on solve all behaviors between softps between in sympton as a surgerial strein as a surgerial behavior and on solve all behaviors of the surgerial behaviors as a surgerial	in static and direct bending ds apptions to sses and angle and angle are time, use these problems aviour of masses ween time, stems, and use		
For a gi	Distinction criteria of so	e appreno; rate all the	tice als	o knows criteria	Justification of why they think t	they met Distinction criteria referenced to appropriate K4 annex
		, , , , , , , , , , , , , , , , , , ,			CVILLO	
					SKILLS	
Ref.	organisational safety requirements and demonstrate a responsible and disciplined approach to risk mitigation, avoidance and			with Sta		Pass Criteria ant, disciplined and responsible behaviours in complying n, safety and risk management requirements and
	criteria of Scope statem			Ju	stification of why they think they	met Pass criteria referenced to appropriate S1 annex
appropricomplia application includin PPE COS Risk mitiga Accide Proce Safel					r tap here to enter text.	



Ref.	Descriptors	Fail	Pass Criteria	Distinction Criteria	
S2	Effectively use, interpret and evaluate a range of engineering data sources and documentation.		Uses, interprets and evaluates a broad range of data sources and documentation	Andidentifies key information and offers realistic recommendations and solutions	
Pa	ass criteria of Scope statements	*	Apprentice's justification of why the	ey think they met Pass criteria referenced to appropriate S2 annex	
	grade of Pass, the apprentice		Click or tap here to enter text.		
<ul> <li>Evaluate and interpret engineering data in accordance with approved procedures</li> <li>Plan the most effective way to evaluate data</li> <li>Obtain relevant information from appropriate sources</li> <li>Report any problems that they cannot personally resolve</li> <li>Present results of data evaluation to appropriate personnel</li> </ul>					
Dist	inction criteria of scope statemen	ts*	Apprentice's justification of why the	y think they met Distinction criteria referenced to appropriate S2 annex	
•	For a grade of Distinction, the apprentice can also:  Perform a lead role in the evaluation of engineering data  Display an advanced ability in planning and effective evaluation		Click or tap here to enter text.		
Ref.	Descriptors	Fail	Pass Criteria	Distinction Criteria	
S6	Establish design briefs, presenting and discussing technical proposals.		Establishes design briefs. Presents and discusses technical proposals	And leads with advanced abilities in design principles, copyright and intellectual property issues	
	ass criteria of Scope statements		Justification of why they think they met Pass criteria referenced to appropriate S6 annex		
For a grade of Pass, the apprentice can:		Click or tap here to enter text.			
Distinction criteria of scope statements			Justification of why they think they met Distinction criteria referenced to appropriate S6 annex		
			Click or tap here to enter text.		



Ref.	Descriptors	Fail	Pass Criteria	Distinction Criteria	
S7	Manage and control product design changes	T all	Follows a systematic approach to design change analysis and control, contributing as a result	And Operates unsupervised or in a leading capacity in directing design change processes	
F	Pass criteria of Scope statements	*		net Pass criteria referenced to appropriate S7 annex	
For a grade of Pass, the apprentice can:  Control and design a change process Follow a systematic approach to design change analysis and control Make changes in agreement with relevant people Comply with organisational policy and procedures for ensuring the successful development of the design strategy Report any problems that they cannot personally resolve			Click or tap here to enter text.		
	tinction criteria of scope statemen		, ,	Distinction criteria referenced to appropriate S7 annex	
Fora	a grade of Distinction, the appre can also:  Perform a lead role in the management and control of production of the design changes  Recommend and implement product design changes in agreement with relevant peop	roduct	Click or tap here to enter text.		
Ref.	Descriptors	Fail	Pass Criteria	Distinction Criteria	
S8	Support team feasibility design reviews		Evaluates, designs and identifies improvements to support feasibility reviews	And Demonstrates a willingness and advanced capability in leading or managing specific elements of the feasibility review	
F	Pass criteria of Scope statements	*	Justification of why they think they n	net Pass criteria referenced to appropriate S8 annex	
For a grade of Pass, the apprentice can:  Provide effective support in team feasibility design reviews  Establish and manage team feasibility design reviews in accordance with policy and procedures  Demonstrate ability to contribute with new ideas and suggestions as part of the design review			Click or tap here to enter text.		
Di	stinction criteria of scope stateme	nts	Justification of why they think they met Distinction criteria referenced to appropriate S8 annex		
For a	grade of Distinction, the appre can also: Provide leadership and directi either on own, or as part of a with feasibility design reviews. Effectively communicate to se stake holders results and out of feasibility design reviews	on team, nior	Click or tap here to enter text.		



	BEHAVIOURS					
Ref	Descriptors	Fail	Pass Criteria	Distinction Criteria		
B1	Safety mindset		Demonstrates the importance of compliant, disciplined and responsible behaviours in complying with Statutory and Organisational health, safety and risk management requirements and implications if these are not adhered to			
	Pass criteria of Scope statements		Justification of why they think they n	net Pass criteria referenced to appropriate B1 annex		
For a pass grading, the apprentice applies appropriate skills in demonstrating a compliant, disciplined and responsible application of Health and Safety requirements, including but not limited to;  PPE regulations COSHH regulations Risk assessments, management and mitigation. Accident/emergency procedures Fire/evacuation procedures Fire/evacuation procedures Procedures for hazardous malfunctions Safely operating/using tools and equipment Lifting/carrying techniques			Click or tap here to enter text.			
Ref.	Descriptors	F-9				
		Fail	Pass Criteria	Distinction Criteria		
B2	Strong work ethic	Fall	Pass Criteria  Demonstrates a positive attitude, motivated by engineering; dependable, ethical, responsible and reliable	Distinction Criteria  And Encourages others by leading by example and promoting and explaining the benefits of a strong work ethic		
B2	Strong work ethic Pass criteria of Scope statements	*	Demonstrates a positive attitude, motivated by engineering; dependable, ethical, responsible and reliable	And Encourages others by leading by example and promoting and explaining the benefits of a strong work		
B2	Strong work ethic  Pass criteria of Scope statements  grade of Pass, the apprentice k how to;	* Knows	Demonstrates a positive attitude, motivated by engineering; dependable, ethical, responsible and reliable	And Encourages others by leading by example and promoting and explaining the benefits of a strong work ethic		
B2  Prora	Strong work ethic  Pass criteria of Scope statements grade of Pass, the apprentice is how to;  Demonstrate a positive attitude motivated by engineering  Dependable Ethical Responsible	* knows de	Demonstrates a positive attitude, motivated by engineering; dependable, ethical, responsible and reliable  Justification of why they think they not click or tap here to enter text.	And Encourages others by leading by example and promoting and explaining the benefits of a strong work ethic		



Ref.	Descriptors	Fail	Pass Criteria	Distinction Criteria	
B6	Personal responsibility and resilience	Tall	Provides a strong demonstration in taking personal responsibility with a determined and resilient approach to attaining successful outcomes and results	By Volunteers or requests to take on leading roles in challenging and demanding situations offering direction and guidance	
F	Pass criteria of Scope statements	*		net Pass criteria referenced to appropriate B6 annex	
For a grade of Pass, the apprentice knows how to;  Provide a strong demonstration in taking personal responsibility with a determined and resilient approach to attaining successful outcomes and results			Click or tap here to enter text.		
	tinction criteria of scope statemer		Justification of why they think they met	Distinction criteria referenced to appropriate B6 annex	
	a grade of Distinction, the appre knows how to demonstrate advi- ability;  By volunteering or request take on leading roles in chall- and demanding situations, of direction and guidance.	ing to enging	Click or tap here to enter text.		
Ref.	Descriptors	Fail	Pass Criteria	Distinction Criteria	
B10	Adaptability		Displays strong characteristics in adaptability and capacity to adjust to suit specific operational requirements	AndActively seeks out new SETs and provided encouragement and support to those who struggled to adjust	
F	Pass criteria of Scope statements	*	Justification of why they think they met Pass criteria referenced to appropriate B10 annex		
For a grade of Pass, the apprentice knows how to;  Display strong characteristics in adaptability and capacity to adjust to suit specific operational requirements			Click or tap here to enter text.		
Dis	tinction criteria of scope statemer	nts*	Justification of why they think they met Distinction criteria referenced to appropriate B10 annex		
For a grade of Distinction, the apprentice also knows how to demonstrate advanced ability;  By actively seeking out new SETs and provide encouragement and support to those who struggle to adjust			Click or tap here to enter text.		



Ref.	Descriptors	Fail	Pass Criteria	Distinction Criteria	
B11	Self-motivation		Displays clearly recognisable levels of self-motivation, enthusiasm and a clear desire to perform at their best either as an individual or as part of a team	And by inspiring, encouraging and coaching others to adopt similar levels of self-motivation and drive	
F	Pass criteria of Scope statements	*	Justification of why they think they m	net Pass criteria referenced to appropriate B11 annex	
For a	grade of Pass, the apprentice in how to;  Display clearly recognisable in of self-motivation, enthusiasm a clear desire to perform at the best either, as an individual of part of a team.	evels n and eir	Click or tap here to enter text.		
	tinction criteria of scope statemer		Justification of why they think they met	Distinction criteria referenced to appropriate B11 annex	
For a grade of Distinction, the apprentice also knows how to;  Inspire, encourage and coach others to adopt similar levels of self-motivation and drive.			Click or tap here to enter text.		
Ref.	Descriptors	Fail	Pass Criteria	Distinction Criteria	
B12	Willingness to learn		Willing to learn and further develop skills and knowledge on a regular basis	And actively sources opportunities or training courses to further enhance own abilities and knowledge levels	
	Pass criteria of Scope statements		Justification of why they think they met Pass criteria referenced to appropriate B12 annex		
•	further develop skills and knowledge on a regular basis	and	Click or tap here to enter text.		
	tinction criteria of scope statemen		• • •	Distinction criteria referenced to appropriate B12 annex	
■ Act	a grade of Distinction, the appre also knows how to; ively sources opportunities or train ourses to further enhance own ab and knowledge levels	ning	Click or tap here to enter text.		
Ref.	Descriptors	Fail	Pass Criteria	Distinction Criteria	
B13	Commitment		Clearly displays strong levels of commitment, embracing employer beliefs and aspiring to the same goals and standards	And has actively engaged with a relevant Professional Engineering Institution to gain professional recognition at the appropriate level, such as Incorporated Engineer	
	Pass criteria of Scope statements		Justification of why they think they met Pass criteria referenced to appropriate B13 annex		
For a grade of Pass, the apprentice knows how to;  Commit to the beliefs, goals and standards of their own employer and to the wider industry					
	tinction criteria of scope statemer		Justification of why they think they met Distinction criteria referenced to appropriate B13 annex		
■ A a li	a grade of Distinction, the appre also knows how to; actively research on how to engag relevant Professional Engineerin astitution in order to gain profession ecognition at the appropriate level is Incorporated Engineer	e with g onal	Click or tap here to enter text.		



Your details						
Apprentice Name:	Click or tap here to enter text.					
Apprentice Employee Number:	Click or tap here to enter text.					
Apprentice Signature:	Click or tap here to enter text.					
I confirm that the information and work of the apprentice, named abo	evidence contained in this assessment occupational competence report is the $\Box$ (tick)					
Employer representative (mentor)						
Employer Representative Name:	Click or tap here to enter text.					
Employer Representative Job Title:	Click or tap here to enter text.					
Relationship to Apprentice:	Click or tap here to enter text.					
Representative Signature:	Click or tap here to enter text.					
Recommended check list for employers for EPA:  The End Point Assessment (presentation and professional discussion) is booked with the Apprentice Assessment Organisation						
☐ A date and place of assessmen	nt is confirmed					
☐ The name of the EPAO/Indepe	☐ The name of the EPAO/Independent Assessor is confirmed along with assessment dates					
☐ Prior to End Point Assessment the Apprentice, supported by their employer/provider, must have completed the occupational competence report recording document against the apprenticeship standards						
☐ The Apprentice has prepared f	for the EPA presentation and professional discussion					
☐ All dates/times/locations and	contact details are confirmed					

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Assessor Notes: Where the apprentice has provided sufficient evidence to satisfy the learning area as identified in the EAL L6 PDD Assessment Report Template, the IA will indicate within the EAL L6 PDD Assessment Recording Document. Where a Learning Area has not been fully met, questions should be prepared to be used at the professional discussion.



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